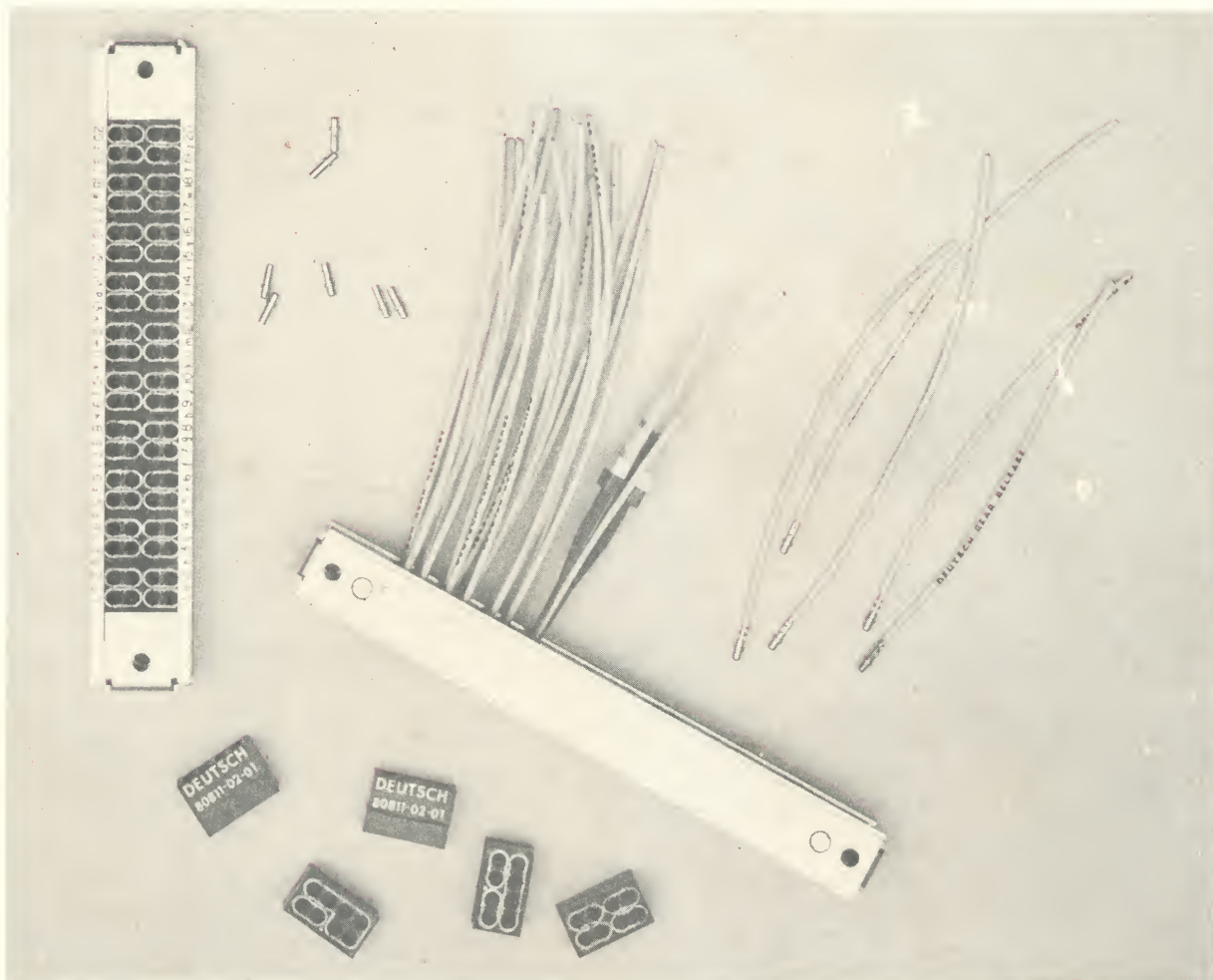


# Deutsches **HOT** SHEET



#6608



## DEUTSCH INDUSTRIAL LOW COST 808 SERIES TERMINAL JUNCTIONS

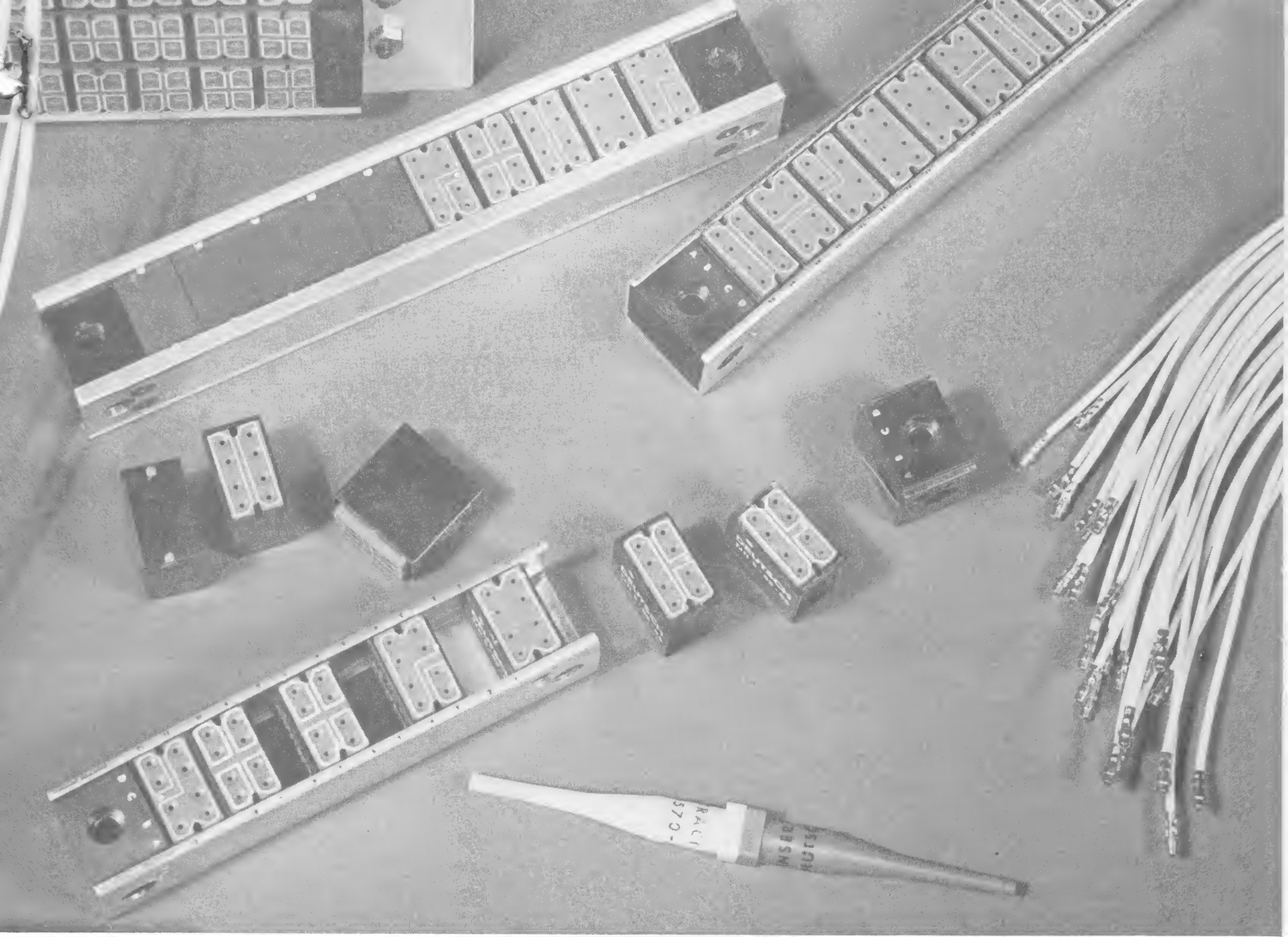
The 808 Series Terminal Junction modules are a new concept in point to point interconnections that will replace terminal strip and all existing busing and connection methods. These inexpensive modular blocks may be used individually or in multi-module frame assemblies. Each tiny module uses 8 #20 crimp-type pin contacts that accommodate wire sizes AWG 20 thru AWG 24.

For ease of assembly, contacts are inserted and removed with the same expendable plastic tool used for inserting and removing the contacts from all other Deutsch Industrial Connectors . . . they are also crimped with the same standard hand crimp tool or may be crimped with automatic machinery. The contact and contact retention system assures maximum reliability

and performance and is immune to damage caused by probing or continuity checks. The short electrical overtravel of the contact system provides excellent electrical characteristics and durability.

The high density packaging, light weight (1.8 grams), wide variety of busing arrangements and modular construction makes the 808 Series ideally suited for use in computers, communications equipment, instrument applications, and ground support equipment.

*For more information, contact your local Deutschman or The Deutsch Company, Electronic Components Division, Municipal Airport, Banning, California, 92220. Telephone: (714) 849-6701 TWX 714-841-7210.*



## ENVIRONMENTAL TERMINAL JUNCTIONS WITH REAR RELEASE, INSERTABLE/REMOVABLE CONTACTS

Through the use of the new Deutsch Terminal Junction . . . terminal strip users may now economically, conveniently and reliably upgrade their systems, even in areas exposed to severe environments, while reducing wiring steps and most important — weight. All these advantages are offered by the Deutsch TJ Series without loss in performance or reliability.

These lightweight Terminal Junctions, also available in non-environmental styles and feed-through designs, consist of any number of modules. Modules are available in a wide variety of bussing configurations and many frame lengths.

Using crimp-type pin contacts in sizes 20, 16 and 12, designed to geometry similar to NAS 1600, bent pins are an impossibility due to Deutsch simplicity of design. For ease of assembly, contacts are inserted and removed from the junction rear by a single insertion/removal tool; they are crimped by a standard MS 3191 tool.

The unique socket assembly is an integral part of the bus-bar and features a chamfer lead-in to accept the pin contact. Electrical contact is accomplished by a spring member on the contact retaining clip. This spring forces the pin contact against the opposite side of the socket cavity in the bus-bar, establishing a line contact of extremely low electrical resistance. With temperature silicone inserts, performance meets applicable portions of MIL-C-26482.

The entire contact and contact retention system assures maximum reliability and performance through simplicity of design and manufacturing technique. This system is immune from damage to the socket spring member caused by probing, or continuity checks, or in handling while out of the terminal board assembly. The electrical overtravel of the contact system — .030" to .055" — provides excellent electrical characteristics and durability.



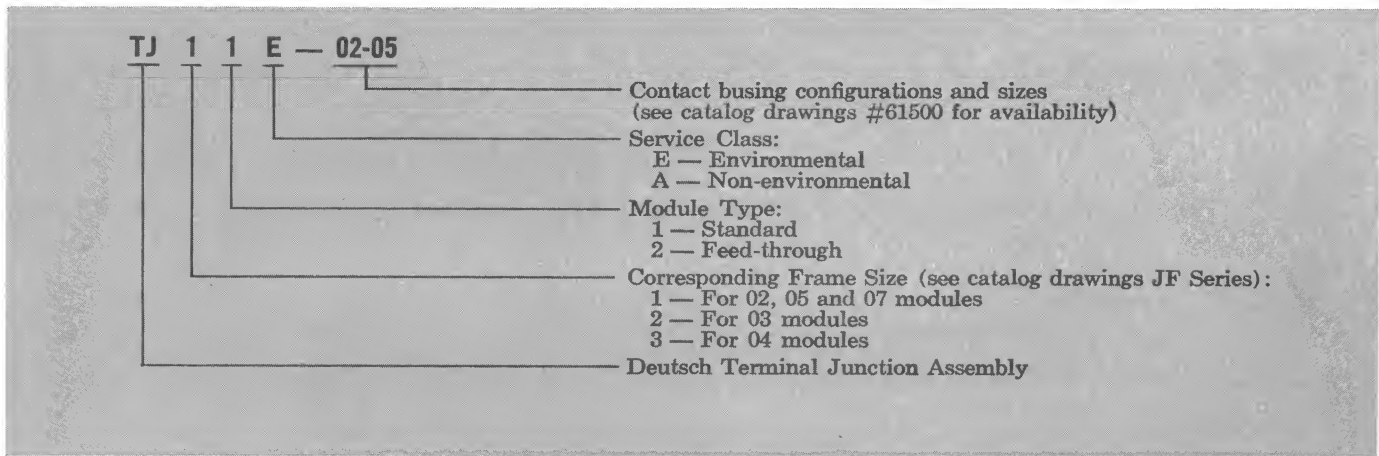


## DEUTSCH TJ SERIES NUMBERING SYSTEM

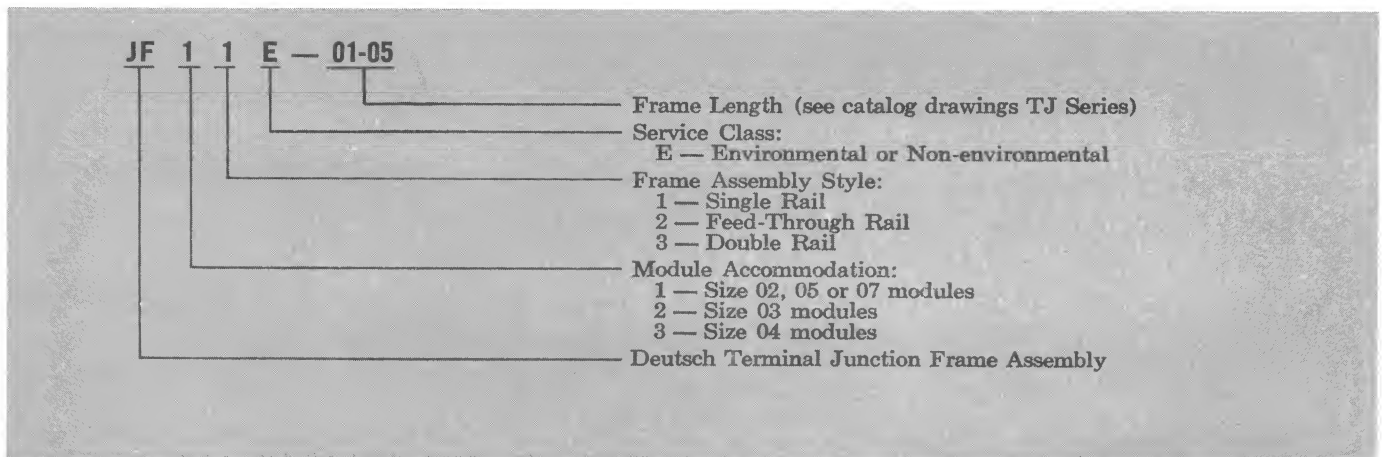
A wide range of Deutsch Terminal Junctions is available to meet the requirements of terminal strip applications . . . while offering environmental capability. Unique crimp type contact system saves time, costs, yet increases performance and reliability. The following is a key to the numbering system used to describe this rear-release interconnection device:

The Deutsch Terminal Junction consists of two major components: 1, the Module Assembly; and 2, the Junction Frame. This affords you maximum versatility in size, style, length and performance.

### 1. MODULE NUMBERING SYSTEM:



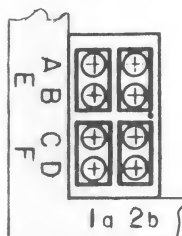
### 2. FRAME NUMBERING SYSTEM:



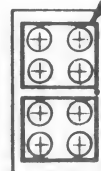
61500

## REVISIONS

SYM DESCRIPTION DATE APPROVAL

TYPICAL JUNCTION  
FRAME  
IDENTIFICATION

02-01

BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM THE TOP OF MODULE  
ASST. SEE NOTE 1.

02-02



02-03



02-04



02-05



02-06

ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
02-01	8 #20	4 BUSES , 2 CONTACTS PER BUS
02-02	8 #20	2 BUSES , 4 CONTACTS PER BUS
02-03	8 #20	3 BUSES , 1-4 CONTACTS PER BUS 2-2 CONTACTS PER BUS
02-04	8 #20	2 BUSES , 2 CONTACTS PER BUS 6 CONTACTS PER BUS
02-05	8 #20	1 BUS , 8 CONTACTS PER BUS
02-06	8 #20	2 BUSES , 4 CONTACTS PER BUS

2. FOR MODULE DIMENSION SEE TJIE \*\* - \*\*  
ENVELOPE.

1. BUS ARRANGEMENT IDENTIFICATION SHOWN  
ABOVE IS SILK SCREENED AND INDICATES  
THE BUS CONFIGURATION WITHIN THE  
MODULE.

SIGNATURE & DATE	
DR	L. SHELTON 4-9-65
CHK	M. HARRIS 4-9-65
PE	J. MAC DONALD 4-14-65
APPD	EC

BUS ARRANGEMENTS,  
TERMINAL JUNCTION MODULE  
MODULE SIZE 02  
TYPE I  
ENVELOPE

SCALE NONE

WT

The Deutsch Company  
ELECTRONIC COMPONENTS DIVISION  
Municipal Airport • Banning, California



B

61500

DWG  
SIZE

CODE 11139 SHEET 1 OF 1

NOTES:

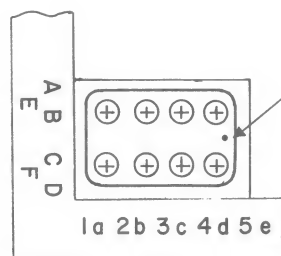
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
05-01	8 #16	1 BUS, 8 CONTACTS PER BUS
05-02	8 #16	2 BUSES, 4 CONTACTS PER BUS
05-05	8 #16	4 BUSES, 2 CONTACTS PER BUS

61501

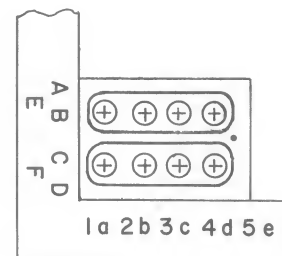
# REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
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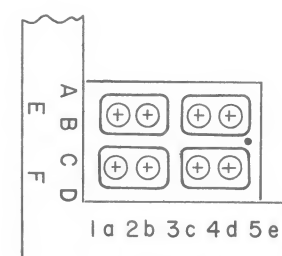
BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.



05-01



05-02



05-05

2. For module dimension see TJ11E-\*\*-\*\* envelope.

1. Bus arrangement identification shown above is silk screened and indicates the bus configuration within the module.

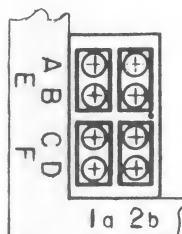
## NOTES

SIGNATURE & DATE		BUS ARRANGEMENTS, TERMINAL JUNCTION MODULE  MODULE SIZE 05 TYPE I  ENVELOPE		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California				
DR	TJ. FOREMAN 9/7/65							
CHK	G. HARNACK 9-21-65							
PE	T. J. Foreman							
APPD	T. J. Foreman 4-21-65	SCALE NONE	WT		DWG SIZE	CODE 11139	SHEET	OF 1

61500

## REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL

TYPICAL JUNCTION  
FRAME  
IDENTIFICATIONBUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM THE TOP OF MODULE  
ASSY. SEE NOTE 1.

02-01

02-02

02-03

02-04

02-05

02-06

ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
02-01	8 #20	4 BUSES , 2 CONTACTS PER BUS
02-02	8 #20	2 BUSES , 4 CONTACTS PER BUS
02-03	8 #20	3 BUSES , 1-4 CONTACTS PER BUS 2-2 CONTACTS PER BUS
02-04	8 #20	2 BUSES , 2 CONTACTS PER BUS 6 CONTACTS PER BUS
02-05	8 #20	1 BUS , 8 CONTACTS PER BUS
02-06	8 #20	2 BUSES , 4 CONTACTS PER BUS

2. FOR MODULE DIMENSION SEE TJHIE \*\* - \*\*  
ENVELOPE.

1. BUS ARRANGEMENT IDENTIFICATION SHOWN  
ABOVE IS SILK SCREENED AND INDICATES  
THE BUS CONFIGURATION WITHIN THE  
MODULE.

NOTES:

SIGNATURE & DATE	
DR	L. SHELTON 4-9-65
CHK	M. J. MAC DONALD 4-14-65
PE	J. MAC DONALD 4-14-65
APPD	ced

BUS ARRANGEMENTS,  
TERMINAL JUNCTION MODULE  
MODULE SIZE 02  
TYPE I  
ENVELOPE

SCALE NONE

WT

The Deutsch Company  
ELECTRONIC COMPONENTS DIVISION  
Municipal Airport • Banning, California



B

61500

DWG  
SIZE

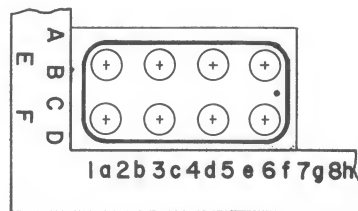
CODE 11139

SHEET 1 OF 1

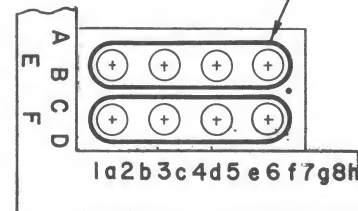
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
07-01	8 #12	1 BUS, 8 CONTACTS PER BUS
07-02	8 #12	2 BUSES, 4 CONTACTS PER BUS

REVISIONS			
SYM	DESCRIPTION	DATE	APPD

BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.



07-01



07-02

2. For module dimension see TJ11E-\*\*-\*\* envelope.

1. Bus arrangement identification shown above is silk screened and indicates the bus configuration within the module.

NOTES

SIGNATURE & DATE		BUS ARRANGEMENTS, TERMINAL JUNCTION MODULE MODULE SIZE 07 TYPE I ENVELOPE		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California	
DR	<i>Brando 9-7-65</i>				
CHK	<i>G. HARNACK 9-21-65</i>				
PE	<i>A. J. Slack</i>				
APPD	<i>L. L. J. 9-21-65</i>				
SCALE NONE		WT		<b>B</b> 61502 DWG SIZE CODE 1139 SHEET 1 OF 1	

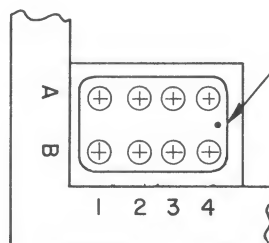
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
03-01	8 # 8	1 BUS , 8 CONTACTS PER BUS
03-02	8 # 8	2 BUSES , 4 CONTACTS PER BUS

61503

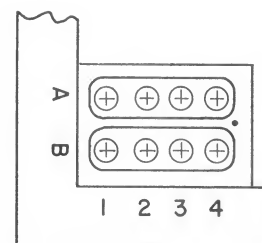
## REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL

BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.



03-01



03-02

2. FOR MODULE DIMENSIONS SEE TJ21E-XX-XX  
ENVELOPE.

1. BUS ARRANGEMENT IDENTIFICATION SHOWN  
ABOVE IS SILK SCREENED AND INDICATES  
THE BUS CONFIGURATION WITHIN THE MODULE.  
NOTES:

SIGNATURE & DATE		<b>BUS ARRANGEMENTS, TERMINAL JUNCTION MODULE</b>  MODULE SIZE 03 TYPE I  ENVELOPE		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California	
DR	L. J. NELSON 10/26/65				
CHK	M. J. NELSON 11-23-65				
PE	J. C. NELSON 11-23-65				
APPD		SCALE NONE		WT	<b>B</b> 61503 DWG SIZE CODE III39 SHEET I OF I



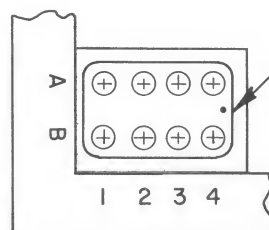
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
04-01	8 # 4	1 BUS, 8 CONTACTS PER BUS
04-02	8 # 4	2 BUSES, 4 CONTACTS PER BUS

61504

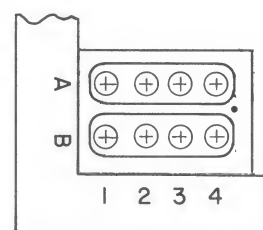
# REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
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BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.



04-01




04-02

2. For module dimension see TJ31E-\*\*-\*\* envelope.

1. Bus arrangement identification shown above is silk screened and indicates the bus configuration within the module.

NOTES:

SIGNATURE & DATE		BUS ARRANGEMENTS , TERMINAL JUNCTION MODULE MODULE SIZE 04 TYPE I ENVELOPE	<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California 
DR	<i>L. Shelton 10/27/65</i>		
CHK	<i>M. Mason 11-23-65</i>		
PE	<i>G. L. Lippard 11-23-65</i>		
APPD			
SCALE NONE		WT	<b>B</b> 61504 DWG SIZE CODE 11139 SHEET 1 OF 1

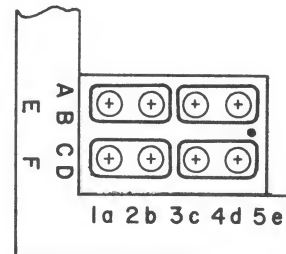
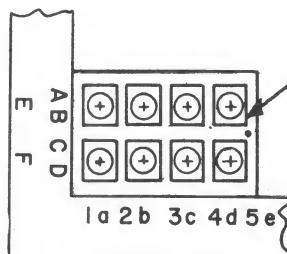
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
05-01	16 # 16	8 BUSES, 2 CONTACTS PER BUS
05-02	16 # 16	4 BUSES, 4 CONTACTS PER BUS

SYM	DESCRIPTION	REVISIONS	
		DATE	APPROVAL

61511

BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.

TYPICAL JUNCTION  
FRAME  
IDENTIFICATION



05-01

05-02

2. FOR MODULE DIMENSION SEE TJ12E-\*\*-\*\* ENVELOPE.

1. BUS ARRANGEMENT IDENTIFICATION SHOWN ABOVE IS SILK  
SCREENED AND INDICATES THE BUS CONFIGURATION WITHIN  
THE MODULE.

NOTES:

SIGNATURE & DATE	
DR	TJ FOREMAN 3/24/66
CHK	M. J. J. 3-25-66
PE	J. R. J. 3-25-66
APPD	
SCALE	NONE
WT	

BUS ARRANGEMENTS,  
TERMINAL JUNCTION MODULE  
FEED THRU  
MODULE SIZE 05  
TYPE 2  
ENVELOPE

NEXT ASSY	USED ON
The Deutsch Company ELECTRONIC COMPONENTS DIVISION Municipal Airport Banning, California	
B	61511
DWG SIZE	CODE 11139 SHEET 1 OF 1

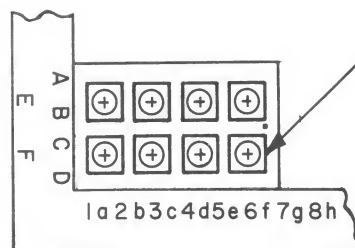
ARRANGEMENT IDENTIFICATION	CONTACTS	BUSING
07-01	16 # 12	8 BUSES, 2 CONTACTS PER BUS
07-02	16 # 12	4 BUSES, 4 CONTACTS PER BUS

61512

# REVISIONS

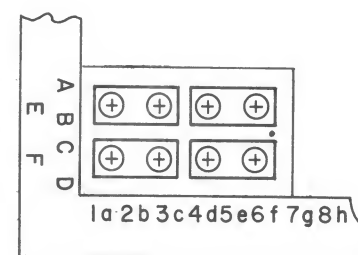
SYM	DESCRIPTION	DATE	APPROVAL
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BUS ARRANGEMENT IDENTIFICATION  
AS VIEWED FROM TOP OF MODULE  
ASSY. SEE NOTE 1.



07-01

TYPICAL JUNCTION  
FRAME  
IDENTIFICATION



07-02

2. FOR MODULE DIMENSION SEE TJ12E-\*\*-\*\* ENVELOPE.

1. BUS ARRANGEMENT IDENTIFICATION SHOWN ABOVE IS SILK  
SCREENED AND INDICATES THE BUS CONFIGURATION WITHIN  
THE MODULE.

NOTES:

	SIGNATURE & DATE
DR	TJ. FOREMAN 3/24/66
CHK	M. M. M. 3-25-66
PE	J. Rigby 3-25-66
APPD	
SCALE	NONE
WT	

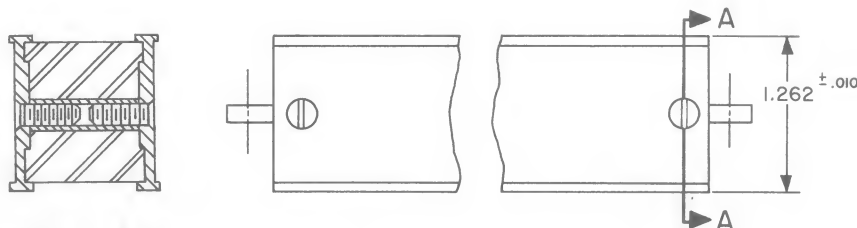
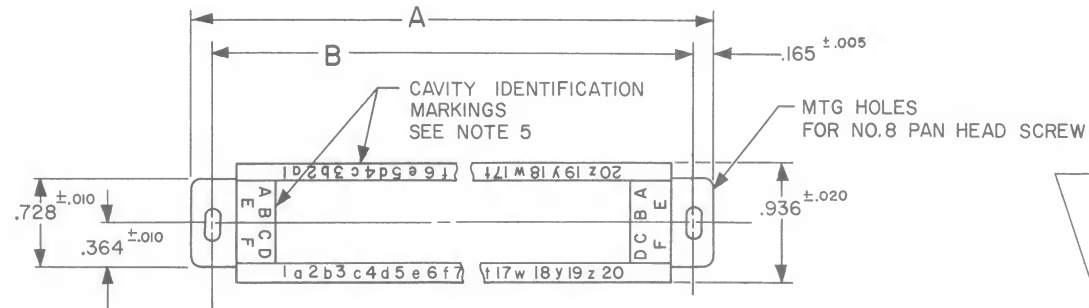
BUS ARRANGEMENTS,  
TERMINAL JUNCTION MODULE  
FEED THRU  
MODULE SIZE 07  
TYPE 2  
ENVELOPE

NEXT ASSY	USED ON
<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport Banning, California	
<b>B</b>	61512
DWG SIZE	CODE 11139 SHEET   OF

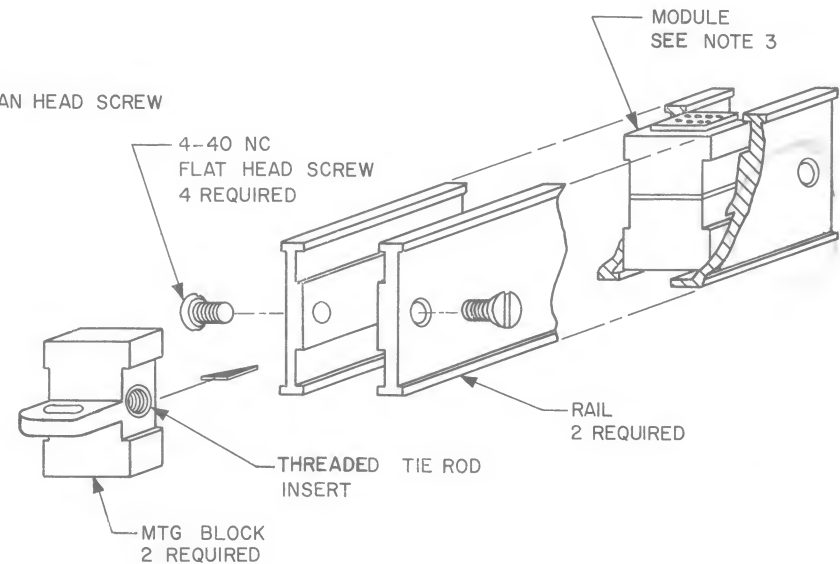
JF12E-\*\*-\*\*

## REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL



SECTION A-A



- CAVITY IDENTIFICATION MARKINGS ARE LOCATED ON BOTH SIDES OF RAILS AND END BLOCKS.
- THIS FRAME WILL ACCOMMODATE SIZE 02, 05 & 07 MODULES ONLY. SEE CATALOG TJ12E-\*\*-\*\* FOR MODULE DIMENSIONS.
- FOR AVAILABLE MODULE ARRANGEMENT SEE 61510, 61511 & 61512 CATALOG DRAWINGS.
- JF12E-\*\*-\*\*

LENGTH OF FRAME, SEE TAB BLOCK.

- FOR ELECTRICAL AND MATERIAL SPECIFICATIONS SEE GENERAL DESCRIPTION.

NOTES:

PART NUMBER	A ±.030	B ±.030
JF12E-01-01	5.306	4.976

SIGNATURE & DATE	
DR	W.KOEPKE 8-18-66
CHK	M. J. Block 8-18-66
PE	D. J. Block 9/13/66
APPD	
SCALE	NONE
WT	

FRAME  
TERMINAL JUNCTION  
FEED-THRU  
FRAME SIZE I  
TYPE 2  
ENVELOPE

NEXT ASSY USED ON

**The Deutsch Company**  
ELECTRONIC COMPONENTS DIVISION  
Municipal Airport  
Banning, California

B

DWG  
SIZE

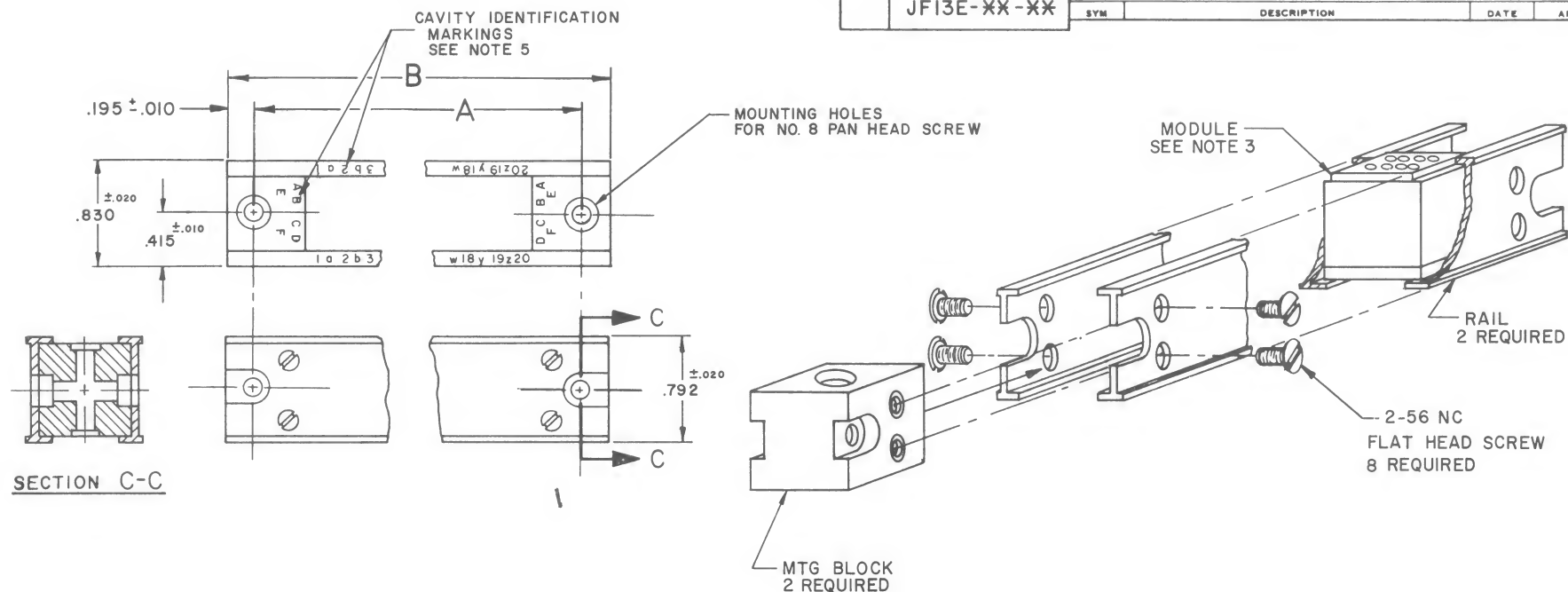
JF12E-\*\*-\*\*

CODE 11139 SHEET | OF |

JF13E-\*\*-\*\*

## REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL



6. FOR FRAME MODULE COMBINATIONS AND FRAME LENGTHS SEE JF13E-\*\*-\*\* SHEET NUMBERS 2 AND 3.
5. CAVITY IDENTIFICATION MARKINGS ARE LOCATED ON BOTH SIDES OF RAILS & END BLOCKS.
4. FOR AVAILABLE MODULE ARRANGEMENTS SEE CATALOG SHEET NUMBERS 61500, 61501 AND 61502.
3. THIS FRAME ACCOMMODATES MODULE SIZES 02, 05 & 07. CONSULT CATALOG TJ11E-\*\*-\*\* FOR MODULE DIMENSIONS.
2. JF13E-\*\*-\*\* LENGTH OF FRAME.
1. FOR ELECTRICAL AND MATERIAL SPECIFICATIONS SEE GENERAL DESCRIPTION.

NOTES:

SIGNATURE & DATE		<p align="center"><u>FRAME,</u></p> <p align="center">TERMINAL JUNCTION</p> <p align="center">FRAME SIZE I TYPE 3 ENVELOPE</p>		<p><b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California</p>		
DR	<i>L. Brando 11/19/65</i>					
CHK	<i>Mason 11/23/65</i>					
PE	<i>P. G. Lippert 11/23/65</i>					
APPD						
SCALE NONE		WT		<p><b>B</b> DWG SIZE</p>	<p>CODE 11189</p>	<p>SHEET 1 OF 3</p>



JFI3E-XX-XX

## REVISIONS


SYM	DESCRIPTION	DATE	APPROVAL

PART NUMBER	DIM A ±.010	DIM B ±.010	WEIGHT IN LBS. APPROX.	MODULE COMBINATIONS			SPACER
				02	05	07	
JFI3E-01-01	1.400	1.790	.046	2			
JFI3E-01-02	2.198	2.588	.054	4			
JFI3E-01-03	2.980	3.370	.063	6			
					1	1	1
				1	2		
JFI3E-01-04	3.770	4.160	.071	8			
				3	2		
				2	1	1	1
JFI3E-01-05	4.560	4.950	.080	10			
						3	1
				5	2		
				4	1	1	1
					4		
JFI3E-01-06	1.005	1.395	.041	1			
JFI3E-01-07	1.590	1.980	.048		1		
JFI3E-01-08	1.795	2.185	.050	3			
JFI3E-01-09	1.985	2.375	.052	1	1		
						1	1
JFI3E-01-10	2.585	2.975	.059	5			
					2		
JFI3E-01-11	2.775	3.165	.061	3	1		
				2		1	1

2. WEIGHTS SHOWN ARE FOR FRAME ASSEMBLY ONLY, AND DO NOT INCLUDE MODULE WEIGHTS.

1. ADDITIONAL MODULE COMBINATIONS MAY BE PROVIDED BY USING TWO OR MORE SPACERS. CONSULT FACTORY.

NOTES:

SIGNATURE & DATE		FRAME TERMINAL JUNCTION FRAME SIZE I TYPE 3 ENVELOPE	NEXT ASSY	USED ON
DR	W.KOEPKE 7/12/66		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION  Municipal Airport Banning, California	
CHK	<i>Monahan 9-15-66</i>		<b>B</b> JFI3E-XX-XX DWG SIZE CODE 11130 SHEET 2 OF 3	
PE	<i>J. P. P. 7/21/66</i>			
APPD				
SCALE	WT			

JF13E--XX--XX

## REVISIONS

SYM

DESCRIPTION

DATE

APPROVAL

PART NUMBER	DIM A ±.010	DIM B ±.010	WEIGHT IN LBS. APPROX.	MODULE COMBINATIONS			SPACER
				02	05	07	
JF13E-01-12	3.170	3.560	.065			2	
				4	1		
				3		1	1
JF13E-01-13	4.171	4.561	.076	9			
				4	2		
				3	1	1	1
JF13E-01-14	5.151	5.541	.087	9	1		
				8		1	1
				4	3		
				5		2	
				3	2	1	1
					2	2	
JF13E-01-15	5.335	5.725	.089	7	2		
				6	1	1	1
				3	1	2	
				2	4		
				2		3	1
				1	3	1	1
JF13E-01-16	5.546	5.936	.091	10	1		
				9		1	1
				6		2	
				5	3		
				4	2	1	1
				1	2	2	

2. WEIGHTS SHOWN ARE FOR FRAME ASSEMBLY ONLY, AND DO NOT INCLUDE MODULE WEIGHTS.

1. ADDITIONAL MODULE COMBINATIONS MAY BE PROVIDED BY USING TWO OR MORE SPACERS. CONSULT FACTORY.

NOTES:

SIGNATURE & DATE	
DR	W. KOEPKE 7/12/66
CHK	<i>M. J. [unclear] 9-18-66</i>
PE	<i>M. J. [unclear] 7/27/66</i>
APPD	
SCALE	WT

FRAME  
TERMINAL JUNCTION  
FRAME SIZE 1  
TYPE 3  
ENVELOPE

NEXT ASSY USED ON

**The Deutsch Company**  
ELECTRONIC COMPONENTS DIVISION  
Municipal Airport  
Banning, California

**B**  
DWG  
SIZE

JF13E--XX--XX

CODE 11139 SHEET 3 OF 3

JF23E-XX-XX

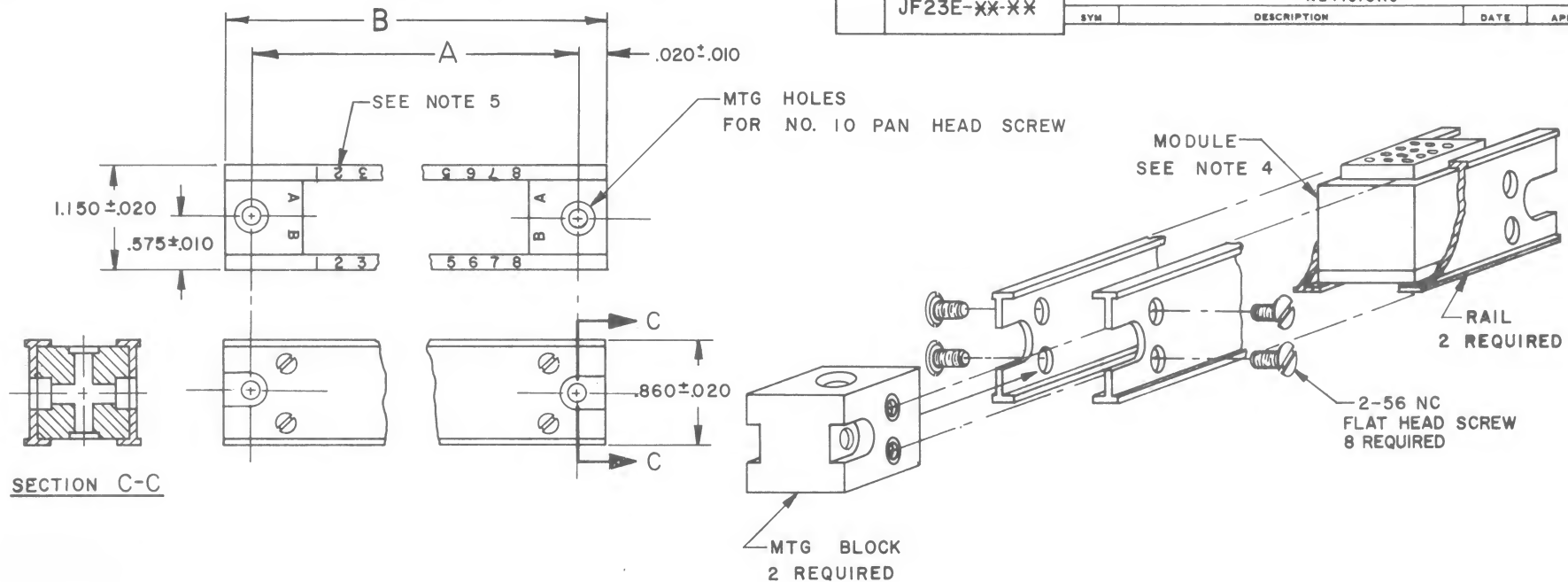
## REVISIONS

SYM

DESCRIPTION

DATE

APPROVAL




6. WEIGHTS SHOWN ARE FOR FRAME ASSEMBLY ONLY; AND DO NOT INCLUDE MODULE WEIGHTS.
5. CAVITY IDENTIFICATION MARKINGS ARE LOCATED ON BOTH SIDES OF RAILS AND END BLOCKS.
4. THIS FRAME WILL ACCOMMODATE SIZE 03 MODULE ONLY. CONSULT CATALOG TJ21E-XX-XX FOR MODULE DIMENSIONS.
3. FOR AVAILABLE MODULE ARRANGEMENT SEE CATALOG SHEET NUMBER 61503.
2. JF23E-XX-XX  
LENGTH OF FRAME, SEE TABULATION BLOCK.

1. FOR ELECTRICAL AND MATERIAL SPECIFICATIONS SEE GENERAL DESCRIPTION.

NOTES:

PART NUMBER	DIM A ±.015	DIM B ±.015	WEIGHT IN LBS. APPROX.	NUMBER OF MODULES
JF23E-01-24	2.345	2.785	.08	1
JF23E-01-25	3.970	4.410	.11	2
JF23E-01-26	5.595	6.035	.18	3

SIGNATURE & DATE		<b>FRAME</b> <b>TERMINAL JUNCTION</b> <b>FRAME SIZE 2</b>  <b>TYPE 3</b>  <b>ENVELOPE</b>		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California 	
DR	L. SHELTON 10/19/65				
CHK	M. HARRIS 11/10/65				
PE	George Clapp 11/14/65				
APPD					
SCALE NONE		WT		DWG SIZE CODE 11139 SHEET 1 OF 1	

JF33E-\*\*-\*\*

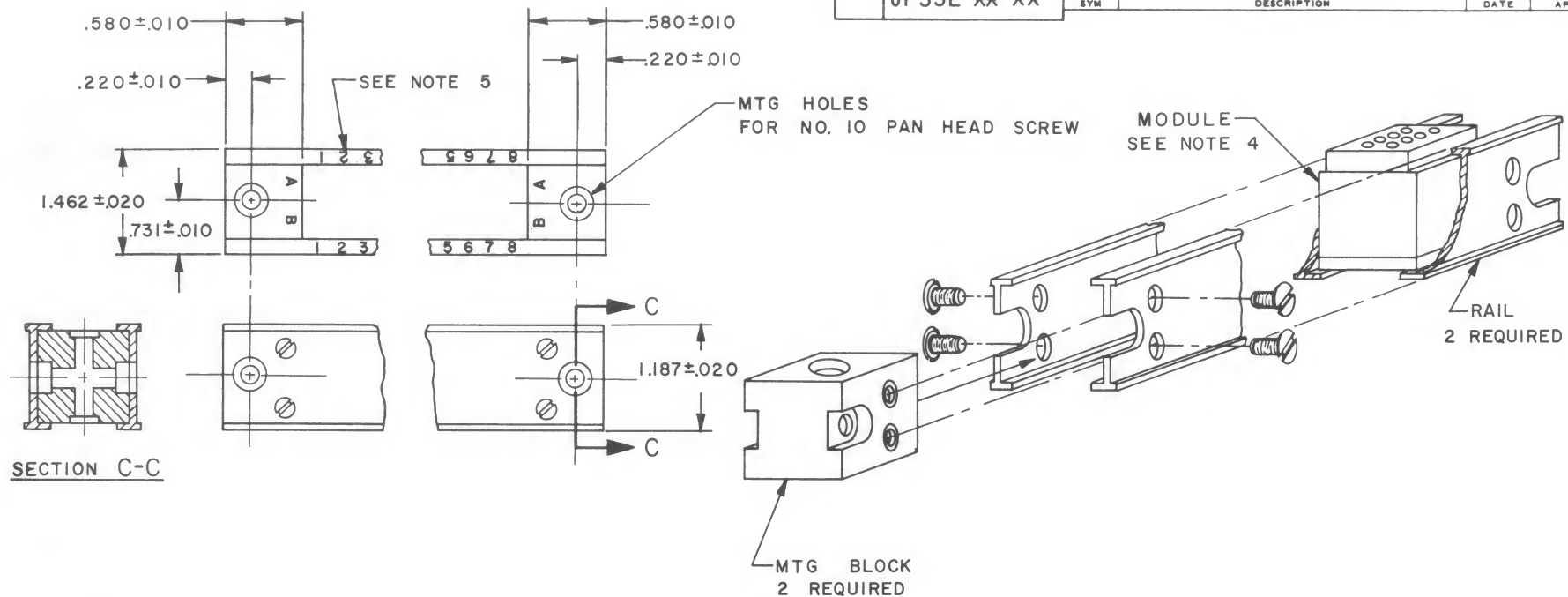
## REVISIONS

SYM

DESCRIPTION


DATE

APPROVAL



5. CAVITY IDENTIFICATION MARKINGS ARE LOCATED ON BOTH SIDES OF RAILS AND END BLOCKS.
4. THIS FRAME WILL ACCOMMODATE SIZE 04 MODULE ONLY. CONSULT CATALOG TJ31E-\*\*-\*\* FOR MODULE DIMENSIONS.
3. FOR AVAILABLE MODULE ARRANGEMENT SEE 61500 SERIES CATALOG.
2. JF33E-\*\*-\*\*  
LENGTH OF FRAME, CONSULT FACTORY.

1. FOR ELECTRICAL AND MATERIAL SPECIFICATIONS SEE GENERAL DESCRIPTION.
- NOTES:

SIGNATURE & DATE		<b>FRAME</b> <b>TERMINAL JUNCTION</b> <b>FRAME SIZE 3</b> <b>TYPE 3</b>		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California 	
DR	L. SHELTON 10/28/63				
CHK	M. SHELTON 11-10-63				
PE	George E. Lippert 11/10/63				
APPD		<b>ENVELOPE</b>		<b>B</b> JF33E-**-**	
SCALE NONE		WT		DWG SIZE CODE 11139 SHEET 1 OF 1	

TJ11E-\*\*-\*\*

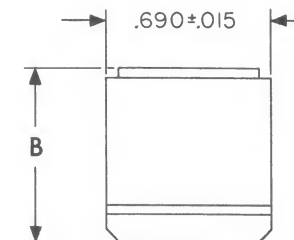
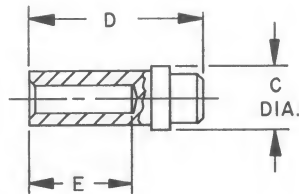
## REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
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## CONTACT DATA

PART NUMBER	SIZE	WIRE RANGE	SEALING RANGE		C ±.010	D ±.010	E MIN.	INSERT AND EXTRACT TOOL NUMBER	CRIMP TOOL
			MIN. O.D.	MAX. O.D.					
1841-1-5620	20	24-22-20	.040	.083	.101	.281	.165	M15570-20	15500-20-7
1841-1-5616	16	20-18-16	.068	.103	.131	.381	.250	M15570-16	15500-16-7
1841-1-5612	12	14-12	.106	.158	.188	.418	.252	M15570-12	15500-12-7

PART NUMBER	WT. IN LBS. APPROX.	A ±.015	B ±.030
TJ11E-02-**-**	.014	.395	.742
TJ11E-05-**-**	.032	.980	.747
TJ11E-07-**-**	.048	1.274	.916



5. MODULE ASSEMBLY WEIGHTS SHOWN, INCLUDE 8 CONTACTS.

4. TJ11E-\*\*-\*\*

BUS ARRANGEMENT


MODULE SIZE

3. THESE MODULE SIZES MAY BE USED IN SIZE 1 FRAME ONLY.

2. THE BUS IDENTIFICATION WILL BE SCREENED ON MODULE ASSY.  
FOR AVAILABLE MODULE ARRANGEMENT SEE CATALOG ENVELOPE  
DWG, 61500 SERIES.

1. SEE "GENERAL DESCRIPTION" FOR ELECTRICAL AND MATERIAL  
SPECIFICATION.

NOTES:

SIGNATURE & DATE		MODULE ASSEMBLY TERMINAL JUNCTION SIZE 02, 05 & 07 TYPE I ENVIRONMENTAL ENVELOPE		<b>The Deutsch Company</b> ELECTRONIC COMPONENTS DIVISION Municipal Airport • Banning, California 	
DR	C. ESTRELLA 9/8/66				
CHK	M. H. 9-13-66				
PE	J. H. Howell 9-13-66				
APPD					
SCALE NONE		WT		DWG SIZE	
				CODE 11139 SHEET 1 OF 1	



TJ12E-\*\*-\*\*

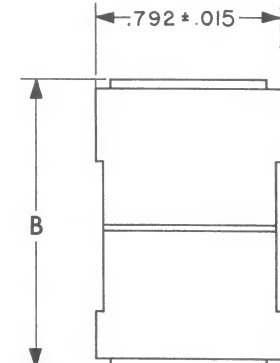
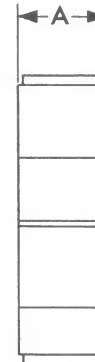
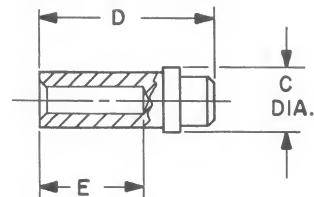
## REVISIONS

SYM DESCRIPTION DATE APPROVAL

## CONTACT DATA

PART NUMBER	SIZE	WIRE RANGE	SEALING RANGE		C ±.010	D ±.010	E MIN.	INSERT AND EXTRACT TOOL NUMBER	CRIMP TOOL
			MIN. O.D.	MAX. O.D.					
1841-1-5620	20	24-22-20	.040	.083	.101	.281	.165	M15570-20	15500-20-7
1841-1-5616	16	20-18-16	.068	.103	.131	.381	.250	M15570-16	15500-16-7
1841-1-5612	12	14-12	.106	.158	.188	.418	.252	M15570-12	15500-12-7

PART NUMBER	WT. IN LBS. APPROX.	A ±.015	B ±.030
TJ12E-02-**-**		.394	1.290
TJ12E-05-**-**		.980	1.302
TJ12E-07-**-**		1.274	1.433



4. TJ12E-\*\*-\*\*

BUS ARRANGEMENT  
 MODULE SIZE

- THESE MODULE SIZES MAY BE USED IN SIZE 1 FRAME ONLY.
- THE BUS IDENTIFICATION WILL BE SCREENED ON MODULE ASSY. FOR AVAILABLE MODULE ARRANGEMENTS SEE CATALOG ENVELOPE DWG, 61500 SERIES.
- SEE "GENERAL DESCRIPTION" FOR ELECTRICAL AND MATERIAL SPECIFICATION.

NOTES:

SIGNATURE & DATE	
DR	TJ. FOREMAN 3/11/66
CHK	3-25-66
PE	A. R. Ryby 3-25-66
APPD	J. H. Howell
SCALE	NONE
WT	

MODULE ASSEMBLY  
 TERMINAL JUNCTION  
 FEED THRU  
 SIZE 02, 05, & 07  
 TYPE 2  
 ENVIRONMENTAL  
 ENVELOPE

NEXT ASSY USED ON  
**The Deutsch Company**  
 ELECTRONIC COMPONENTS DIVISION  

 Municipal Airport  
 Banning, California

**B** TJ12E-\*\*-\*\*  
 DWG SIZE CODE 11139 SHEET | OF |

1813-\*\*-\*\*\*\*

## REVISIONS

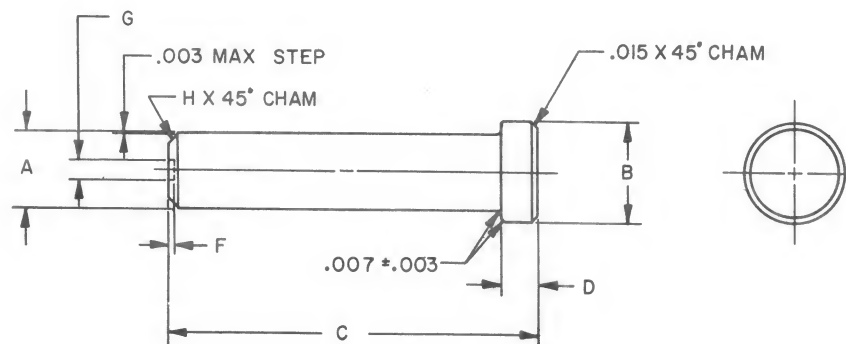
SYM

DESCRIPTION

DATE

APPROVAL

PART NUMBER	SIZE	IDENT. COLOR	A DIA	B DIA	C ±.020	D ±.010	F ±.015	G ±.010	H ±.010
1813-20-0120	20	RED	.055 to .075	.080 to .100	.792	.120	-	-	.015
1813-20-0116	16	BLUE	.073 to .093	.123 to .143	.800	.120	-	-	.015
1813-20-0212	12	YELLOW	.111 to .131	.161 to .181	1.000	.120	-	-	.015
1813-19-0108	8	GREEN	.148 to .168	.198 to .218	1.250	.120	.015	.094	.025
1813-11-0104	4	BLACK	.267 to .287	.405 to .425	1.540	.150	.015	.094	.040



SIGNATURE & DATE	
DR	C. ESTRELLA 5-18-66
CHK	M. J. J. 6-3-66
PE	J. P. Howell 5/27/66
APPD	
SCALE	none
WT	

SEALING PLUG  
TERMINAL JUNCTION  
SIZE 02,05,07,03 & 04  
ENVIRONMENTAL  
ENVELOPE

NEXT ASSY USED ON

**The Deutsch Company**

ELECTRONIC COMPONENTS DIVISION

Municipal Airport  
Banning, California**B**

1813-\*\*-\*\*\*\*

DWG  
SIZE

CODE 11139

SHEET 1 OF 1